

BDTools

BDTools is small set of simple command-line utilities for displaying the structure of **.mpls playlists** files which are part of Bluray Disc navigation.

MPLS2JSON.exe

– converts **.mpls** playlist into human&machine readable JSON file, or

– converts .json file into binary .mpls playlist file.

This reverse operation can be used for easy modification of the content of the .mpls playlist.

(But please remember that parameters are not validated, thus changes in .json file before “reverse” conversion to .mpls need to be done VERY carefully!)

MPLSDump.exe

– displays simplified list of all **.m2ts** files referred in given **.mpls** playlist

Typical use:

1. Displaying help

```
MPLSJSON
```

Without any other parameters will display simple help how to use MPLS2JSON.

2. Conversion of .mpls playlist to JSON format

```
MPLS2JSON 00000.mpls
```

Displays .mpls playlist in readable JSON format on standard output (screen).

```
MPLS2JSON 00000.mpls 00000.json
```

Converts .mpls playlist into readable .json file.

3. Reverse conversion of .json file into .mpls playlist

```
MPLS2JSON -reverse 00000.json 00000.mpls
```

Only structure (syntax) of .json is validated during this conversion, but not the actual values (semantics)! Thus changes in .json file before “reverse” conversion to .mpls need to be done very carefully!

4. Selftest

```
MPLS2JSON -selftest 00000.mpls
```

This self-test command will perform forward and backward conversion to/from .json file. Several files will be created with following naming convention:

```
00000.json  
00000.from_mpls.mpls  
00000.from_json.mpls  
00000.from_json.json
```

Correlated .mpls/.json files should be identical.

Remark:

MPLS2JSON can convert into readable JSON-format also files MovieObject.bdmv and index.bdmv, which are part of Bluray Disc navigation structure, too.